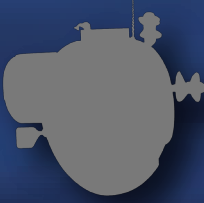

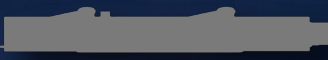

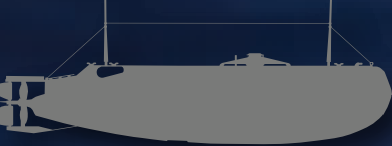
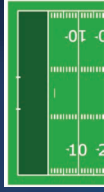
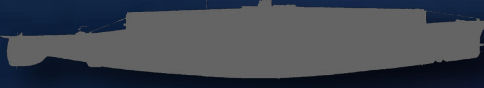
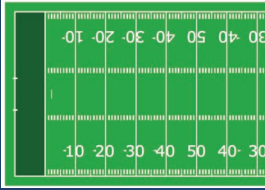

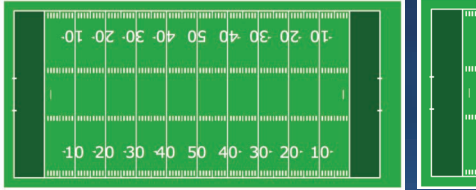

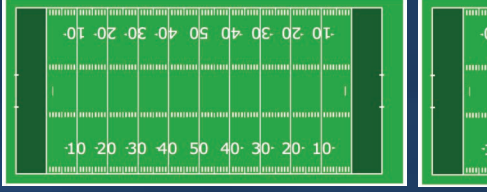
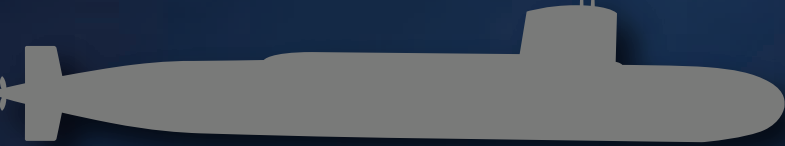
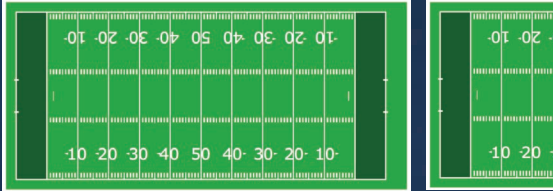
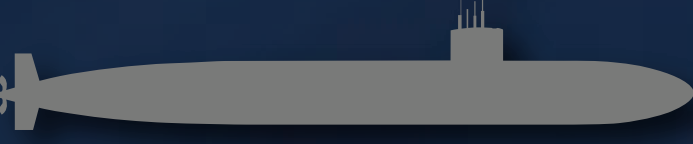
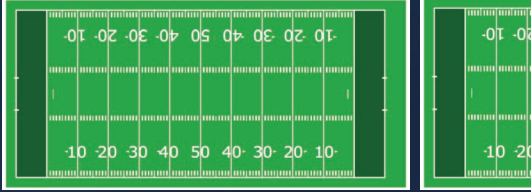
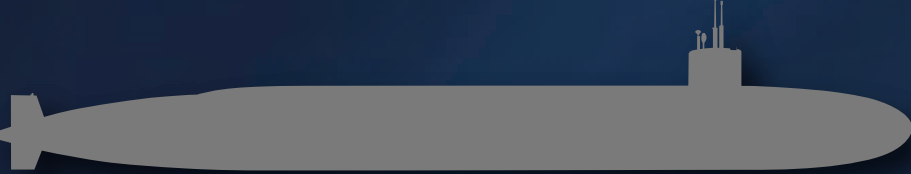
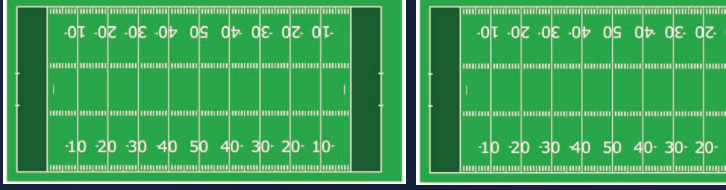
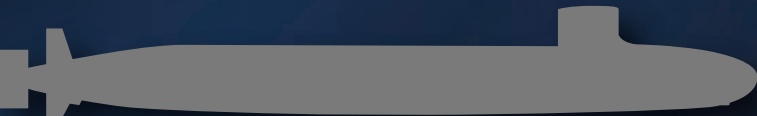
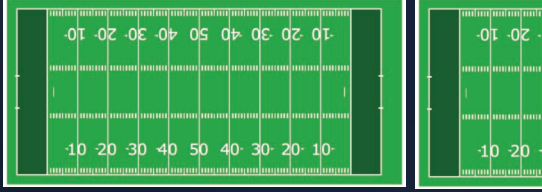




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EVOLUTION OF THE U.S. NAVY SUBMARINE

	YEARS OF SERVICE	SUBMERGED SPEED	LENGTH	DEPTH	NOTABLE	CREW
 TURTLE *	1775-1776	2-3 KNOTS (3-3.5MPH)	 8 FT	6 FT	RESEMBLED TWO TURTLE SHELLS; WORLD'S FIRST COMBAT SUB	1
 H.L. HUNLEY *	1863-1864	4 KNOTS (4.6 MPH)	 39.5 FT	4-5 FT	OFFICIALLY PART OF THE CONFEDERATE NAVY; FIRST TO SINK ENEMY IN COMBAT	8
 USS HOLLAND (SS 1) *	1900-1905	5 KNOTS (5.8 MPH)	 53 FT	100 FT	U.S. NAVY'S FIRST COMMISSIONED SUB	6
 S CLASS	1920-1945	11 KNOTS (12.7 MPH)	 219 FT	200 FT	KNOWN AS "SUGAR BOATS," FIRST CLASS BUILT FROM U.S. NAVY DESIGNS	38
 BALAO CLASS	1943-1975	8.75 KNOTS (10 MPH)	 312 FT	400 FT	"BACKBONE" OF THE SUB SERVICE IN THE PACIFIC DURING WORLD WAR II	66
 USS NAUTILUS (SSN 571)	1954-1980	25 KNOTS (28.8 MPH)	 323 FT	700 FT	WORLD'S FIRST NUCLEAR-POWERED SUB; FIRST SUB TO COMPLETE SUBMERGED TRANSIT OF NORTH POLE	105
 GEORGE WASHINGTON CLASS	1959-1985	22 KNOTS (25.3 MPH)	 381 FT	700 FT	WORLD'S FIRST BALLISTIC MISSILE SUBS	112
 LOS ANGELES CLASS	1976-PRESENT	20+ KNOTS (23+ MPH)	 362 FT	800+ FT	HAS BEEN THE "BACKBONE" OF THE FAST ATTACK SUB FLEET FOR MORE THAN 20 YEARS	129
 OHIO CLASS	1981-PRESENT	20+ KNOTS (23+ MPH)	 560 FT	800+ FT	U.S. NAVY'S LARGEST SUB	155
 VIRGINIA CLASS (SSN 774)	2004-PRESENT	20+ KNOTS (23+ MPH)	 377 FT	800+ FT	EXPECTED TO REMAIN IN SERVICE BEYOND 2060	132

* INDICATES ILLUSTRATION IS NOT DRAWN TO SCALE WITH OTHER SUBMARINES CONTAINED IN INFOGRAPHIC. SOURCES: NAVAL HISTORY AND HERITAGE COMMAND "DICTIONARY OF AMERICAN NAVAL FIGHTING SHIPS"; WWW.HISTORY.NAVY.MIL; U.S. NAVY DEPARTMENT LIBRARY; SUBMARINE FORCE MUSEUM (WWW.SUBMARINEMUSEUM.ORG). GRAPHICS: JAMES CAIELLA, ANNALISA UNDERWOOD, HEATHER BROWN OF NAVAL HISTORY AND HERITAGE COMMAND.